WHAT IS CLAIMED IS:

1   A system for processing information which is remotely accessible for computerized monitoring, management and control of a condition, comprising:

5   a.   at least one sensing device that detects said condition to provide a corresponding electrical signal representative of said condition;

b.   a data collector that processes said electrical signal to provide data relating to said condition;

c.   a transmitter that transmits said data over a communication link;

10   d.   a computer system that manages the remote gathering, transmission, processing, storage, access, presentation and use of said data.

2.   The system of Claim 1 wherein said computer system comprises a server which processes said data for storage in a database and provides access to said database for retrieval

15   and use of said data in making determinations related to the detected condition.

3.   The system of Claim 2 wherein said server remotely hosts hardware and software for managing and maintaining said database and is accessible by users over said communication link.

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4.   The system of Claim 3 wherein said users comprise service providers and customers of said service providers and wherein said server provides data processing for said

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service providers and said customers to allow gathering, transmission, processing, storage, access, receipt and use of data related to services provided to said customer over the Internet.

5. The system of Claim 4 wherein the types of data and the functions performed by said server in processing said data are specified by said customers or said service providers to customize input, access and use of said data or to designate system users and access rights for said users or to identify preferences for managing, processing and using said data.

6. The system of Claim 5 wherein multiple data types and multiple server functions are provided to said customers or said service providers such that said data types and server functions are modifiable for different services.

7. The system of Claim 6 wherein multiple data types and multiple server functions exist for a single customer or single service provider corresponding to multiple services provided to said customer.

8. The system of Claim 7 wherein more than one customer of a single service provider accesses said server for receipt of information of said customer provided by said service provider.

9. The system of Claim 8 wherein a single customer of more than one service provider accesses said server for receipt of information of said customer provided by each said service provider.

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10. The sensor unit of claim 1 further including a receiver for processing a request for information over the communication link.

11. The sensor unit of claim 10, wherein said transmitter transmits said data based on said request.

12. The sensor unit of claim 11, wherein said transmitter transmits said data periodically or continuously.

13 The system of Claim 1 wherein said condition relates to at least one of a pest or a bait or an environmental condition.

14. The system of Claim 13, wherein said data corresponds to at least one of:

weight;

length;

width;

height;

speed;

scent;

acoustic;

volume;

density;

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movement; and

moisture.

15.   The system of Claim 1, wherein said sensing device comprises at least

5   one of

an optical sensing device,

a pressure sensing device;

a load cell;

a camera; and

a moisture meter.

16.   The system of Claim 1, wherein said communication link comprises at least one

of

a wired link; or

15   a wireless link.

17.   The system of Claim 16, wherein said communication link is configured in

accordance with a predefined communication protocol.

20   18.   The system of Claim 17, wherein said data is transmitted over said

communication link in a predefined format.

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19. The system of Claim 17, wherein the communication protocol correspond to at least one of

TCP/IP;

X- 10 protocol;

5   CeBus; and

Lonworks.

20. The system of Claim 17, wherein the communication protocol corresponds to a Wireless Application Protocol.

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21. The system of Claim 1 wherein:

    a.   said sensor unit generates physical characteristic data in connection with at least one of a pest or a bait or a environmental condition;

    b.   said data collector receives said physical characteristic data for

15 transmission over said communication link;

    c.   said computer system comprises a server that processes said transmitted physical characteristic data to provide detection data; and

    d.   a database accessible by said server stores said detection data.

20   22. The system of Claim 21, wherein said physical characteristic data is processed to determine the type of detected pest or pest treatment.

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23.   The system of Claim 21, wherein said server provides access to said database over a network of interconnected client stations.

24.   A pest detection method using the system of Claim 21, comprising:

5   a.   sensing a physical characteristic of at least one of a pest or a bait or a environmental condition;

               b.   generating an electrical signal that corresponds to said physical characteristic;

               c.   processing said electrical signal to provide physical characteristic data; and

               d.   transmitting said physical characteristic data over a communication link.

               e.   processing said transmitted physical characteristic data to provide detection data; and

               f.   storing said detection data.

25.   The method of Claim 24 further including detecting the type of a detected pest or determining the type of pest treatment based on the processed data.

26.   The method of Claim 24 further including receiving request for information at a
20   sensor unit.

27.   The method of Claim 24 further including communicating at least one of the following parameters:

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battery life of a sensor unit;

pest or bait weight changes;

sound identification;

pest activity levels;

5   bait age; bait status; and

moisture levels.